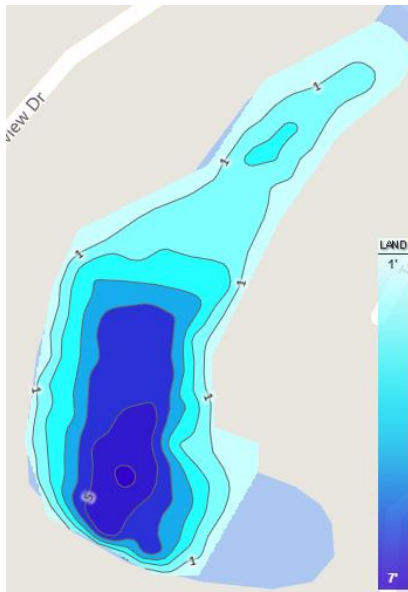


Tresca Lake, Walton County



Lake Details

Outfall: absent

Watershed area: NA

Lake surface area: 2 hectares

Average depth: 1.99 meters

Water Chemistry Data - 2017

Summary statistics include mean, maximum (Max), minimum (Min), median, and standard error (Std Error) calculated for total phosphorous (TP) (n = 11 samples), total nitrogen (TN) (n = 11 samples), total chlorophyll (CHL) (n = 11 samples), water transparency (Secchi Depth) (n = 11 samples), temperature (n = 10 samples), dissolved oxygen (n = 10 samples), pH (n = 10 samples), salinity (n = 10 samples), turbidity (n = 10 samples), color (n = 5 samples), and specific conductance (n = 5 samples) measurements.

2017 Summary Statistics

	Mean	Max	Min	Median	Std Error
TP (µg/L)	14	28	10	12	2
TN (µg/L)	593	767	448	607	30
CHL (µg/L)	7	22	4	7	1
Secchi Depth (m)	1	2	1	1	0
Temperature (C)	23	30	14	27	2
Dissolved Oxygen (mg/L)	6	10	3	6	1
pH	7	6	8	7	7
Salinity (ppt)	0	0	0	0	0
Turbidity (NTU)	4	18	1	3	2
Color (Pt-co Units)	70	112	37	78	15
Specific Conductance (µS/cm)	148	155	138	148	3

Water Chemistry Data - 2008 through 2017

Summary statistics include mean, maximum (Max), minimum (Min), median, and standard error (Std Error) summary statistics calculated on an annual basis using monthly data for total phosphorous (TP), total nitrogen (TN), total chlorophyll (CHL), water transparency (Secchi Depth), temperature, dissolved oxygen, pH, salinity, turbidity, color, and specific conductance. Summary statistics represent Long-Term analyses among annual means from 2008 through 2017.

Long-Term Summary Statistics

	Mean	Max	Min	Median	Std Error
TP (µg/L)	14	20	7	15	1
TN (µg/L)	616	764	416	601	34
CHL (µg/L)	6	10	2	7	1
Secchi Depth (m)	1	2	1	1	0
Temperature (C)	21	23	17	22	1
Dissolved Oxygen (mg/L)	7	8	6	7	0
pH	7	7	8	7	8
Salinity (ppt)	0	0	0	0	0
Turbidity (NTU)	3	7	1	3	1
Color (Pt-co Units)	73	136	42	70	9
Specific Conductance (µS/cm)	139	184	101	148	9

Long-Term Trophic State Variable Trend Analyses

Monthly total phosphorous ($\mu\text{g/L}$), total nitrogen ($\mu\text{g/L}$), total chlorophyll ($\mu\text{g/L}$) and water transparency (m) from 2008 through 2017 for Tresca Lake. These data show the intra-annual variance with trend line and associated 95% confidence level.

Kendall-Tau trend analysis results are shown for total phosphorus, total nitrogen, total chlorophyll, and water transparency on the top-left of each plot. Not significant indicates there was no significant trend measured. Positive indicates a significant, increasing trend was found over time. Negative indicates a significant, decreasing trend among years.

